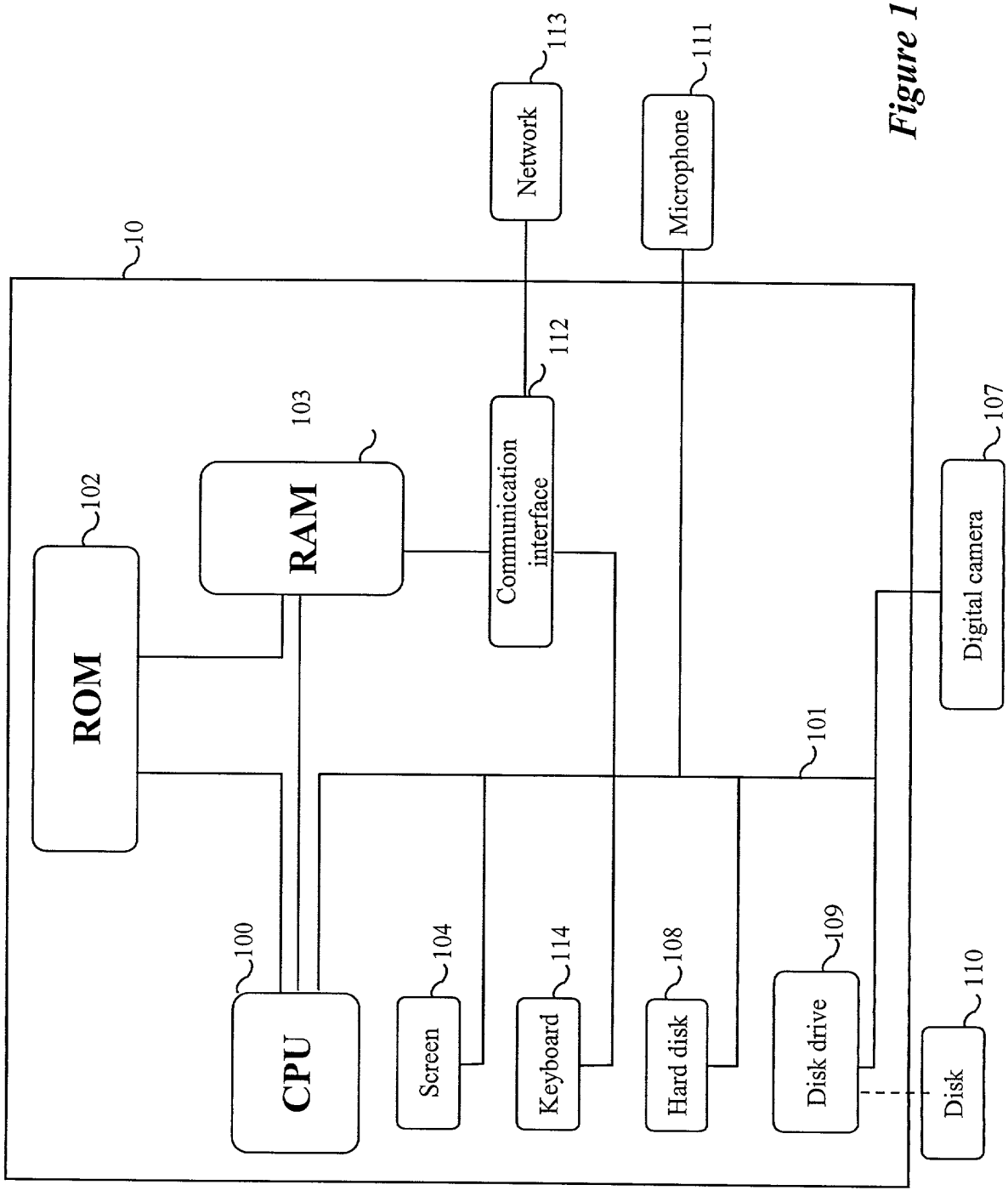
10
ROM
102
RAM
103
CPU
100
Communication interface
112
Network
113
Microphone
111
Digital camera
107
101
Screen
104
Keyboard
114
Hard disk
108
Disk drive
109
Disk
110

Figure 1

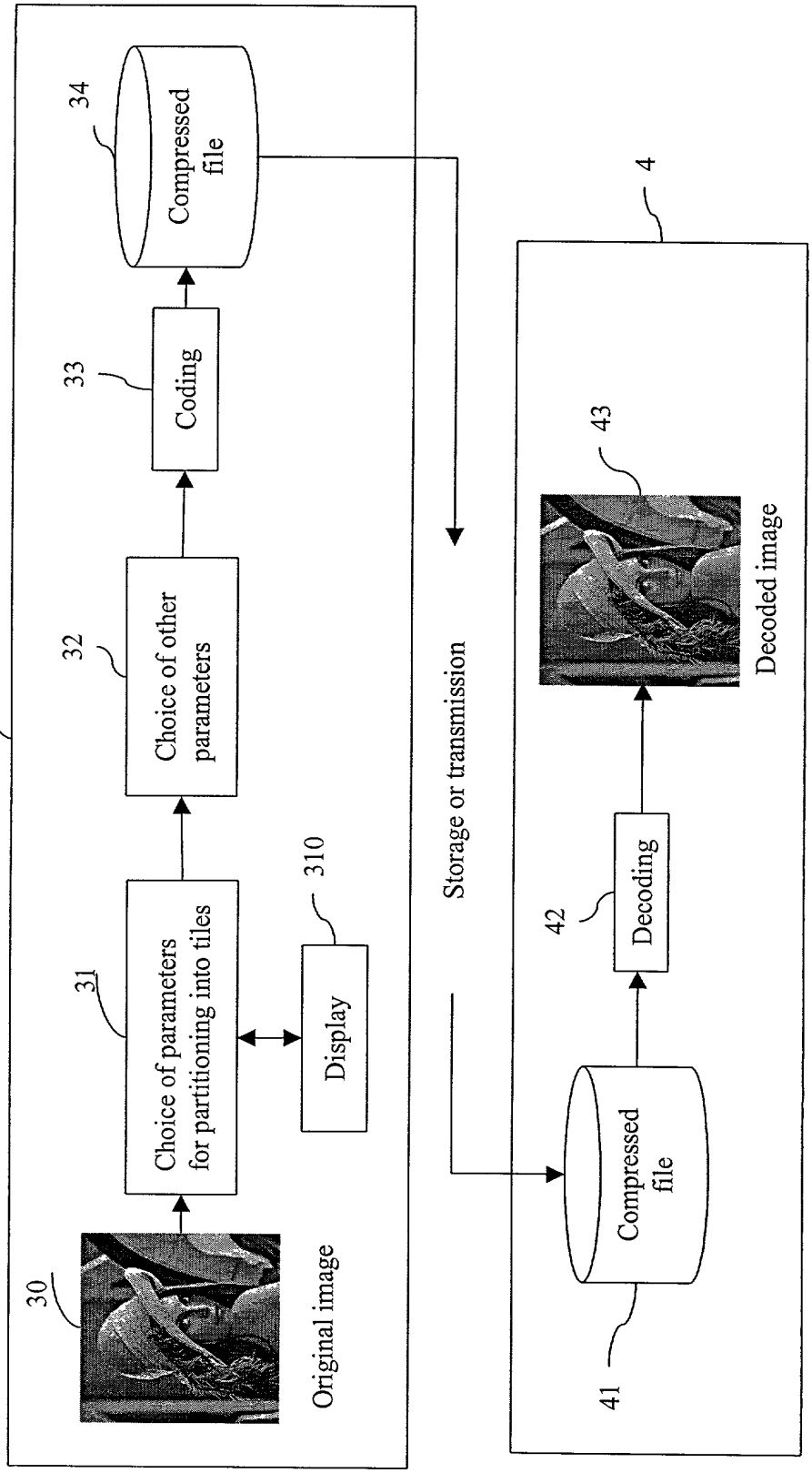
3
30
Original image
Choice of parameters for partitioning into tiles
31
310
Display
Choice of other parameters
32
Coding
33
Compressed file
34
Storage or transmission
4
41
Compressed file
42
Decoding
43
Decoded image

Figure 2

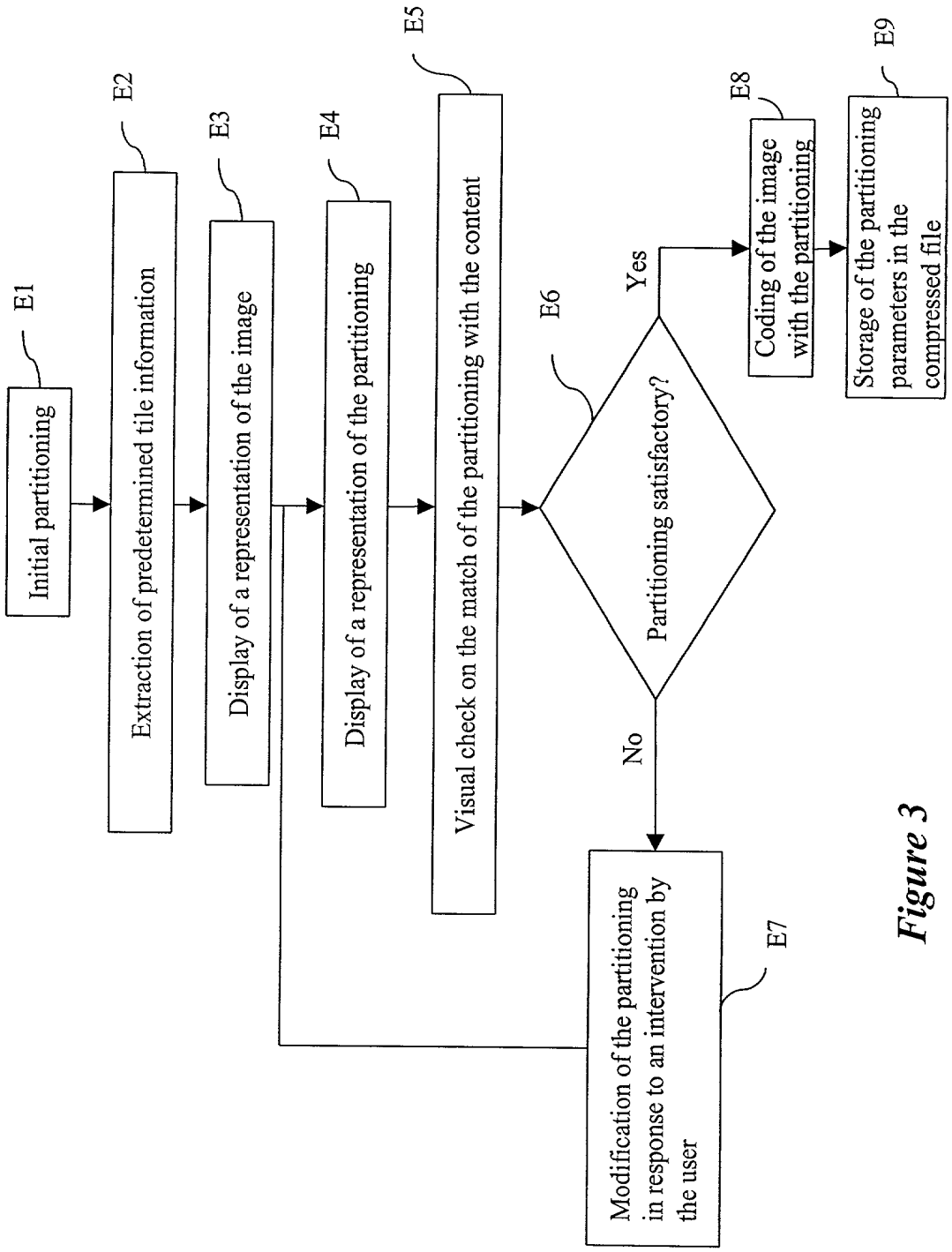
E1
Initial partitioning
E2
Extraction of predetermined tile information
E3
Display of a representation of the image
E4
Display of a representation of the partitioning
E5
Visual check on the match of the partitioning with the content
E6
Partitioning satisfactory?
Yes
No
E7
Modification of the partitioning in response to an intervention by the user
E8
Coding of the image with the partitioning
E9
Storage of the partitioning parameters in the compressed file

Figure 3

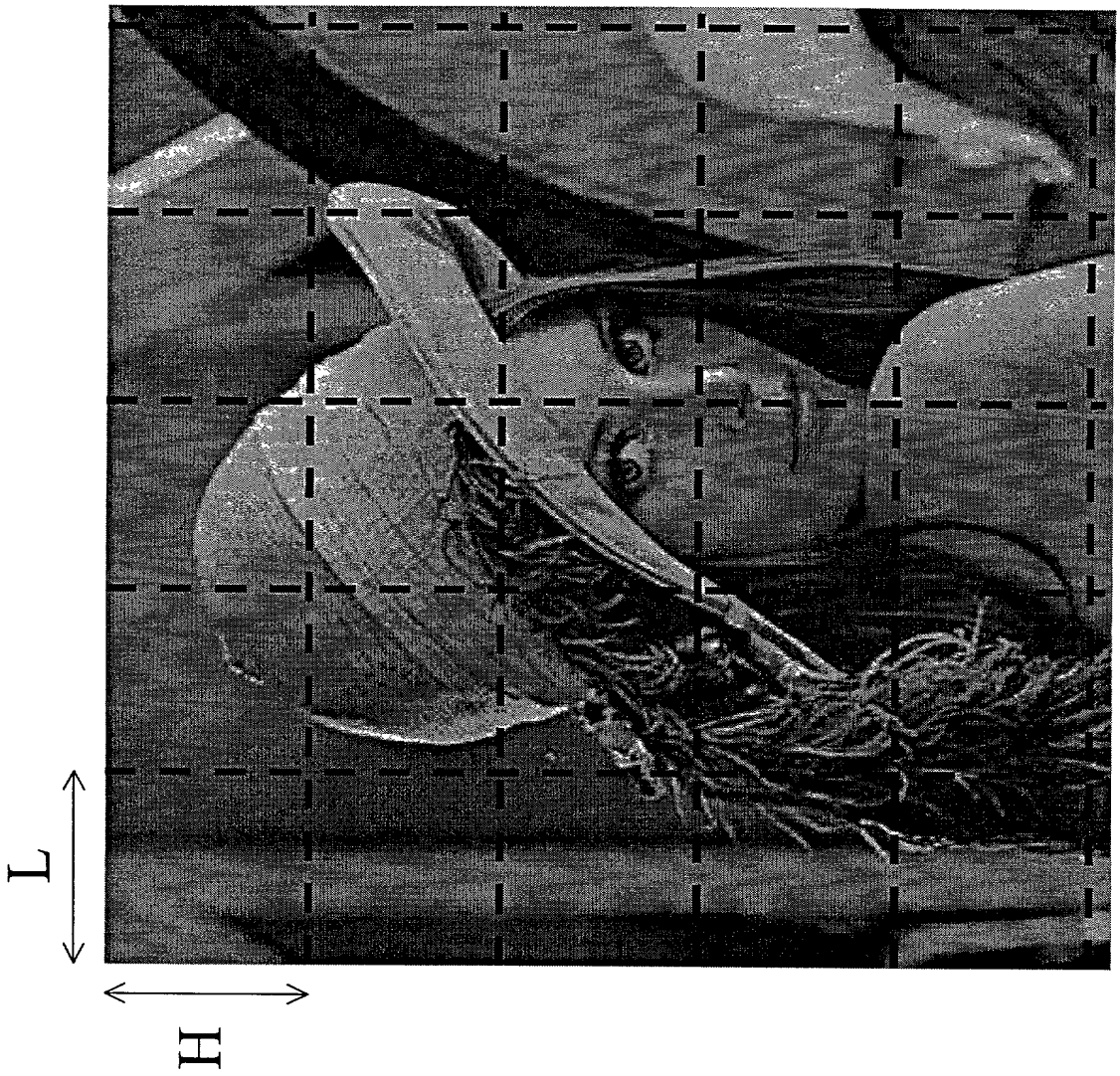

Figure 4

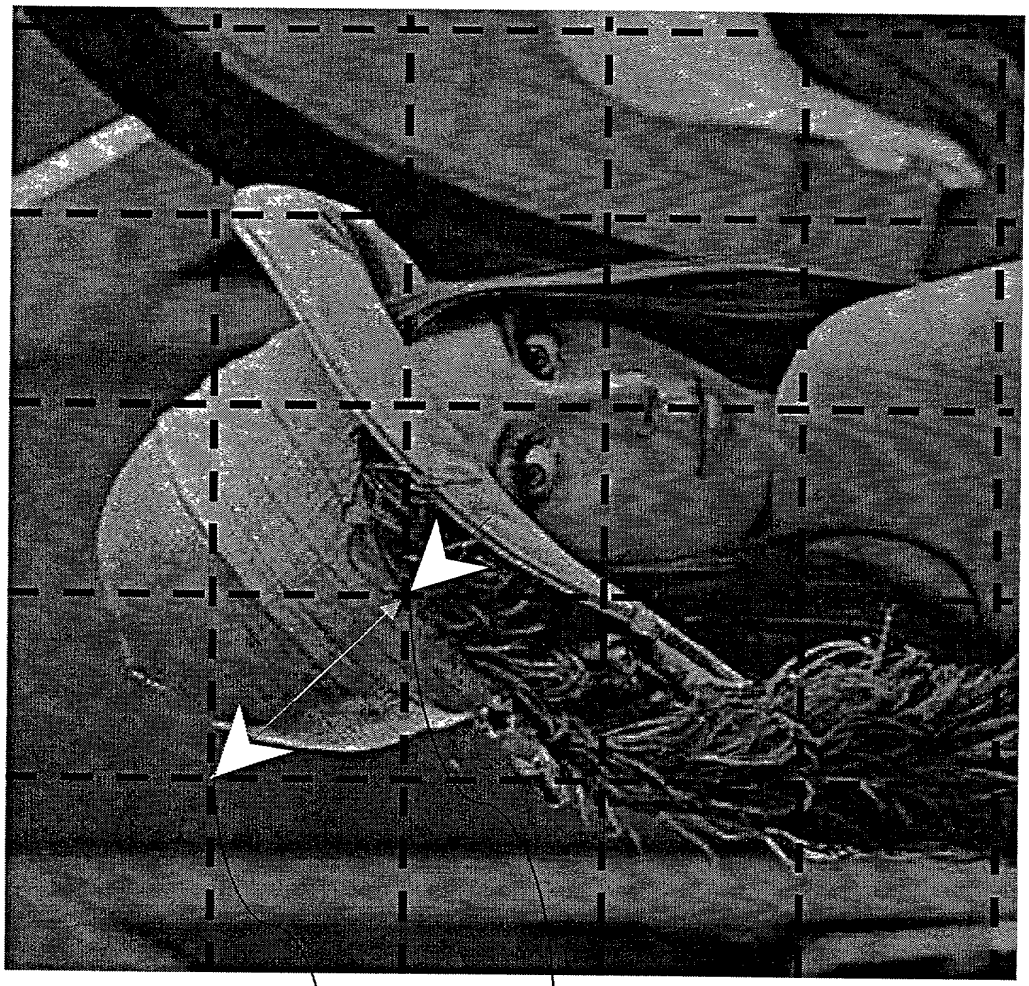

Figure 5

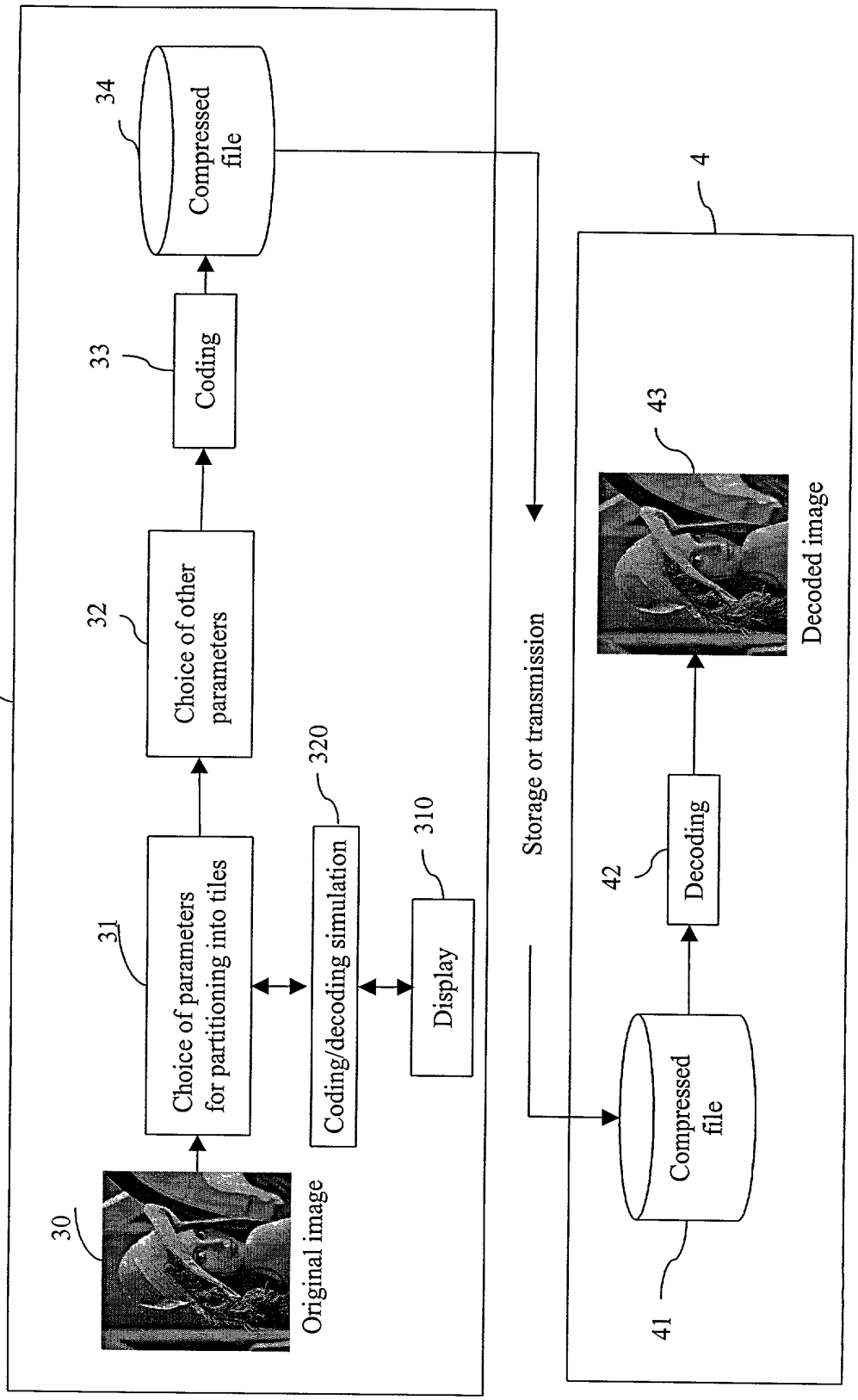
3
30
Original image
31
Choice of parameters for partitioning into tiles
320
Coding/decoding simulation
310
Display
32
Choice of other parameters
33
Coding
34
Compressed file
Storage or transmission
4
41
Compressed file
42
Decoding
43
Decoded image

Figure 6

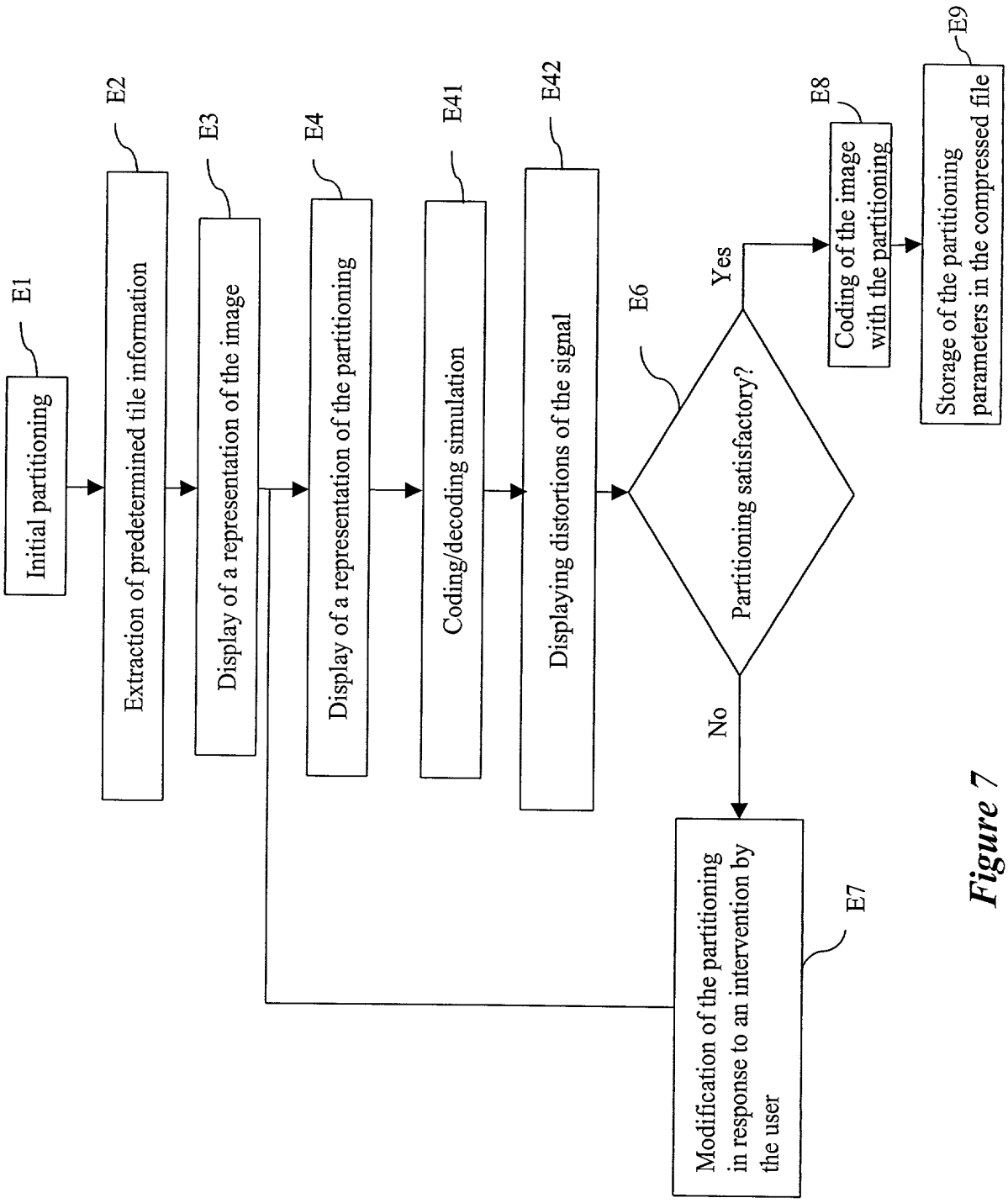
E1
Initial partitioning
E2
Extraction of predetermined tile information
E3
Display of a representation of the image
E4
Display of a representation of the partitioning
E41
Coding/decoding simulation
E42
Displaying distortions of the signal
E6
Partitioning satisfactory?
Yes
No
E8
Coding of the image with the partitioning
E9
Storage of the partitioning parameters in the compressed file
E7
Modification of the partitioning in response to an intervention by the user

Figure 7

Figure 8

Figure 9b

Figure 9a

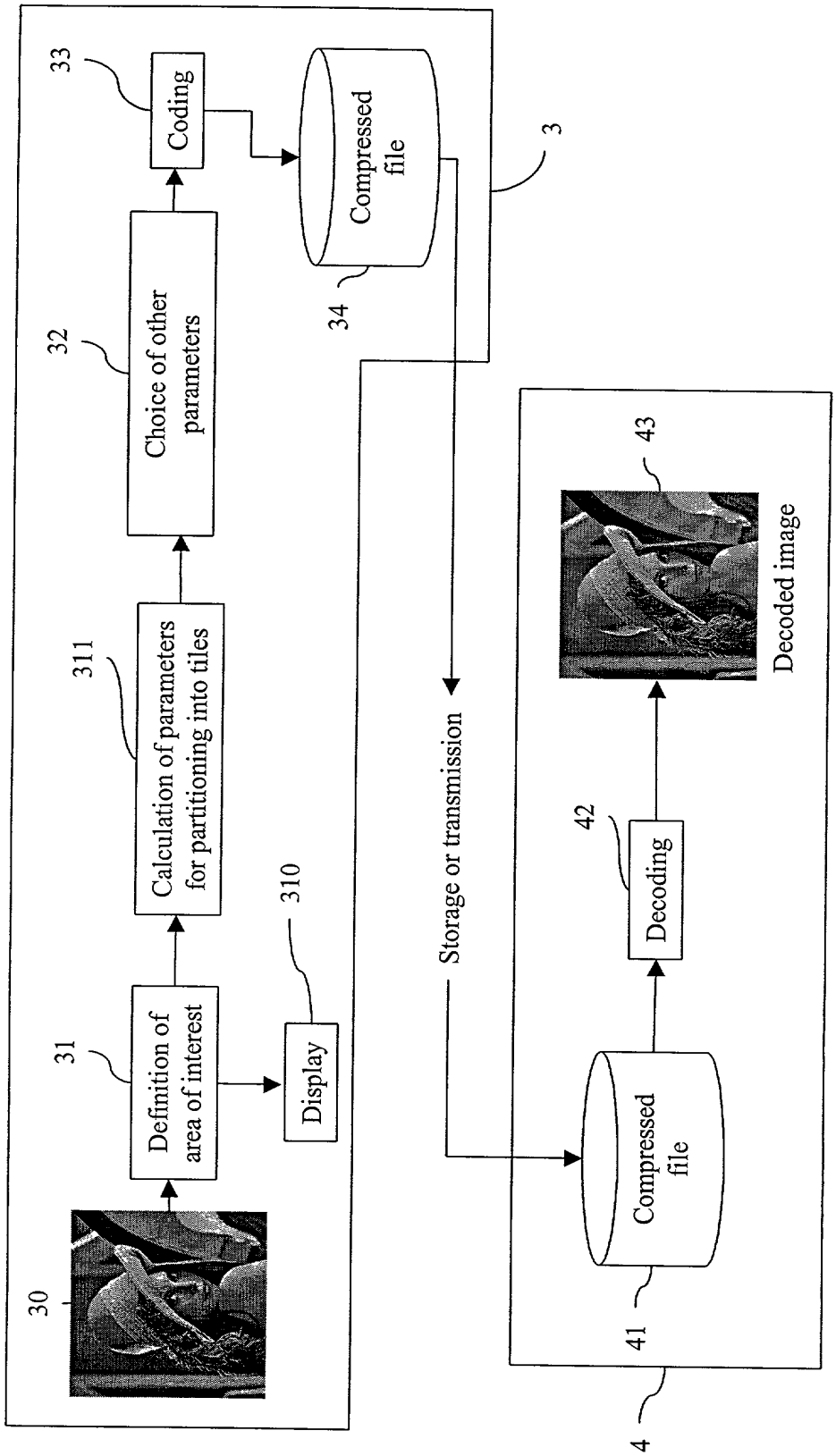
30
31
Definition of area of interest
310
Display
311
Calculation of parameters for partitioning into tiles
32
Choice of other parameters
33
Coding
34
Compressed file
3
Storage or transmission
41
Compressed file
42
Decoding
43
Decoded image
4

Figure 10

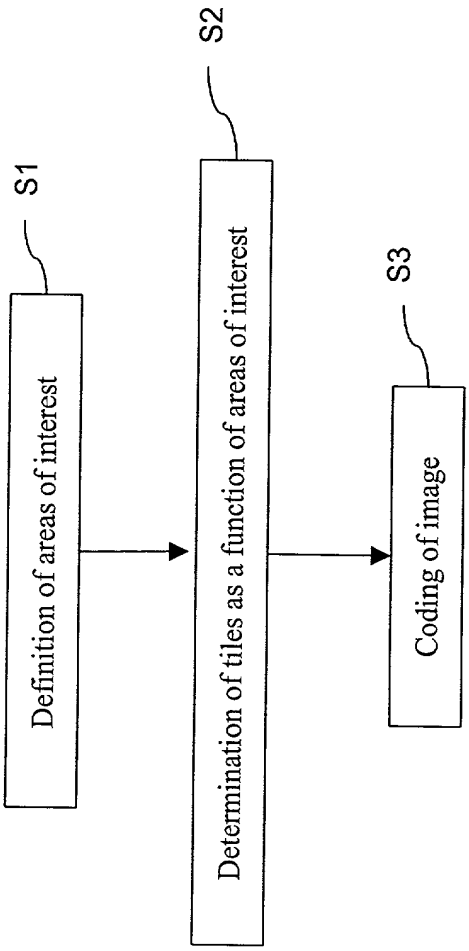
S1
Definition of areas of interest
S2
Determination of tiles as a function of areas of interest
S3
Coding of image

Figure 11

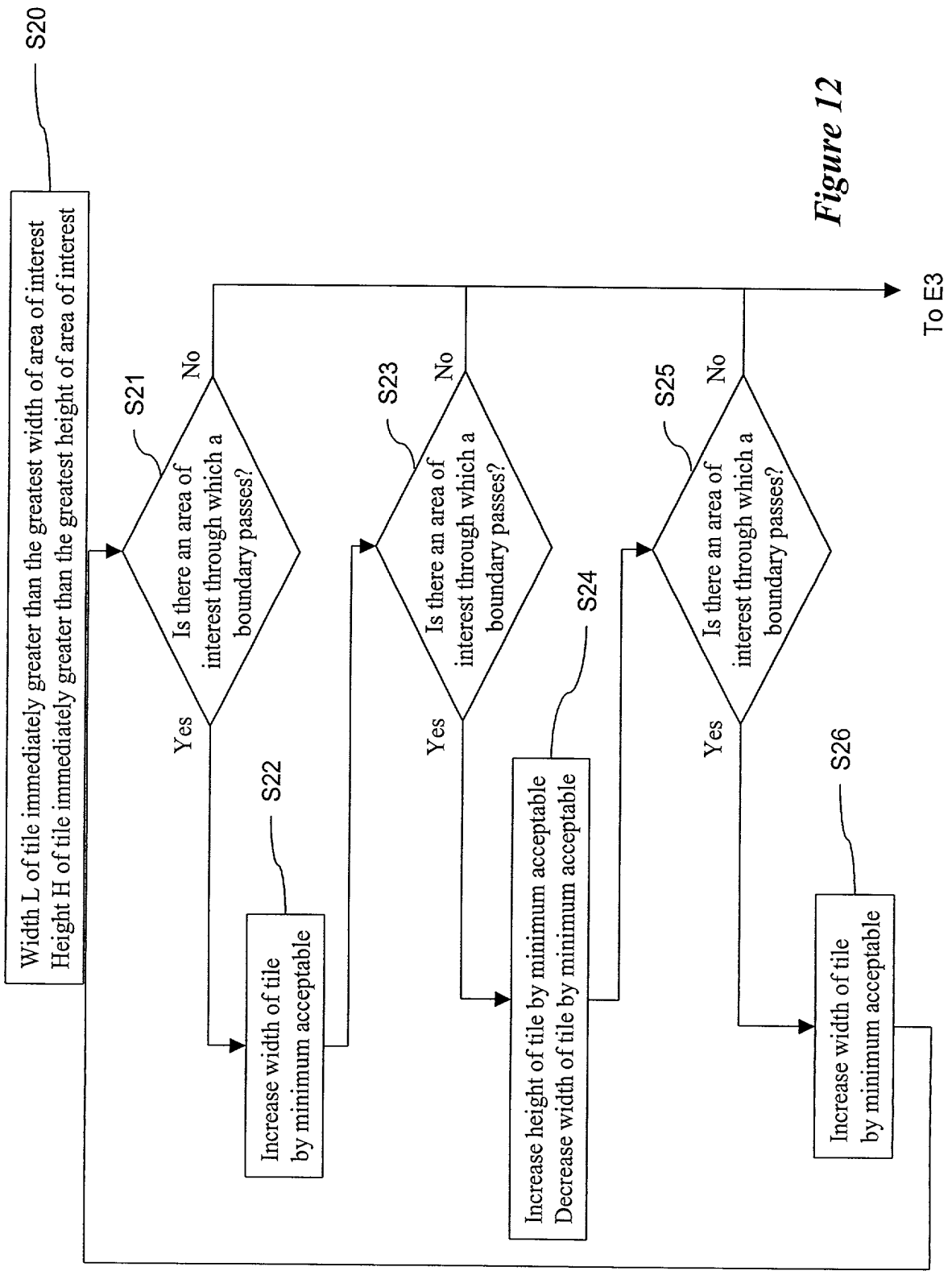
S20
Width L of tile immediately greater than the greatest width of area of interest
Height H of tile immediately greater than the greatest height of area of interest
S21
Is there an area of interest through which a boundary passes?
Yes
No
S22
Increase width of tile by minimum acceptable
S23
Is there an area of interest through which a boundary passes?
Yes
No
S24
Increase height of tile by minimum acceptable
Decrease width of tile by minimum acceptable
S25
Is there an area of interest through which a boundary passes?
Yes
No
S26
Increase width of tile by minimum acceptable
To E3

Figure 12

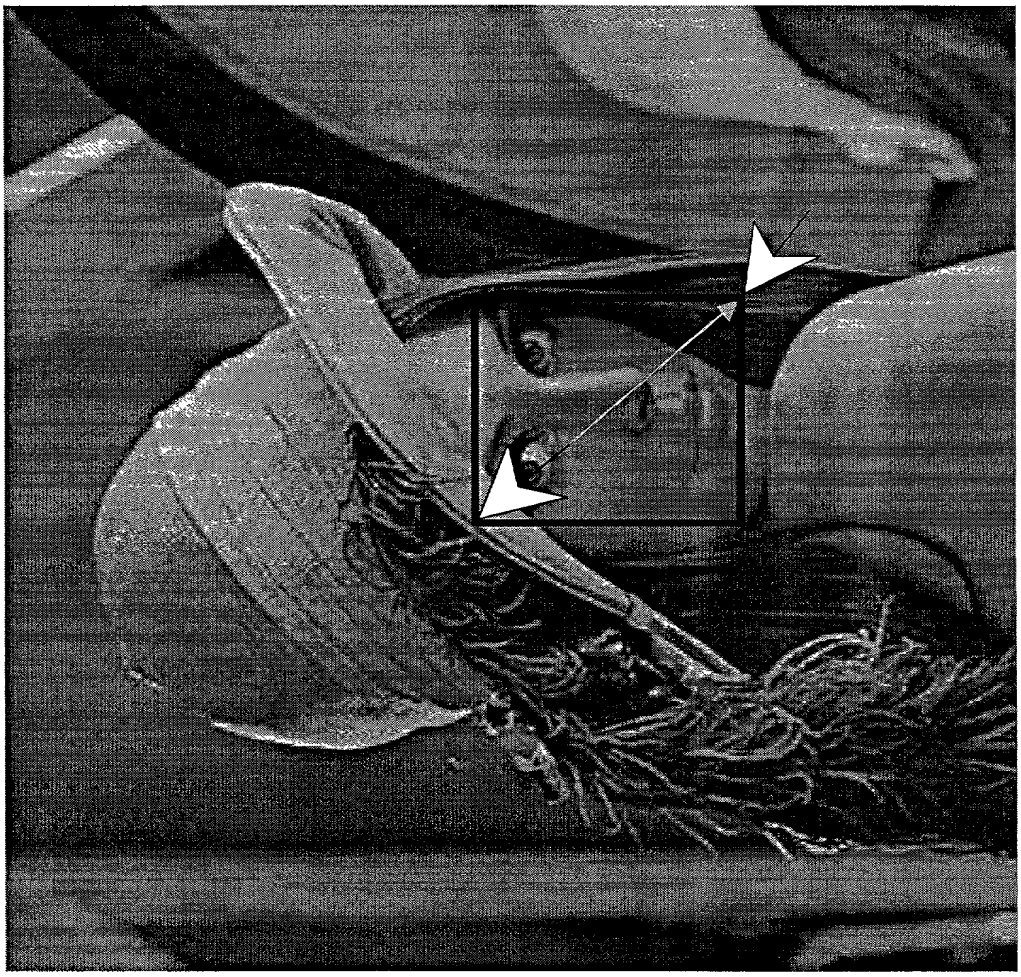

Figure 13

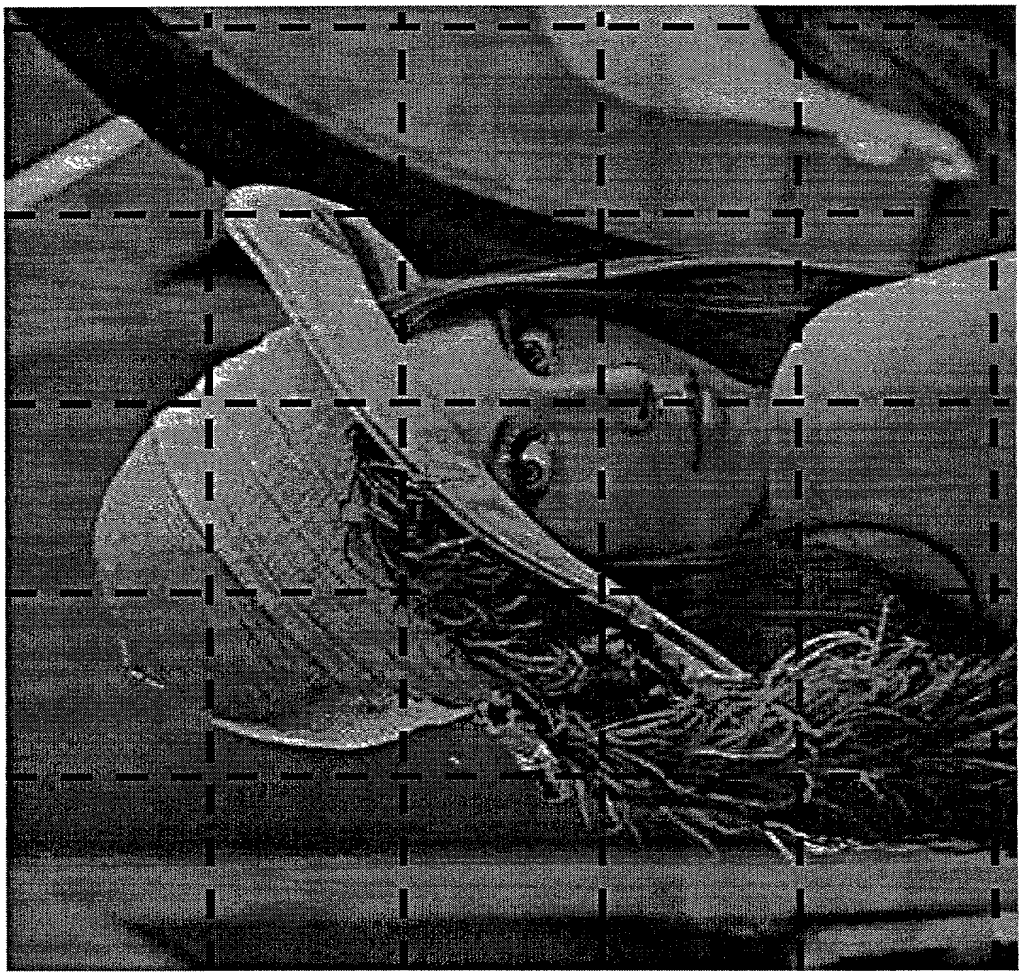

Figure 14

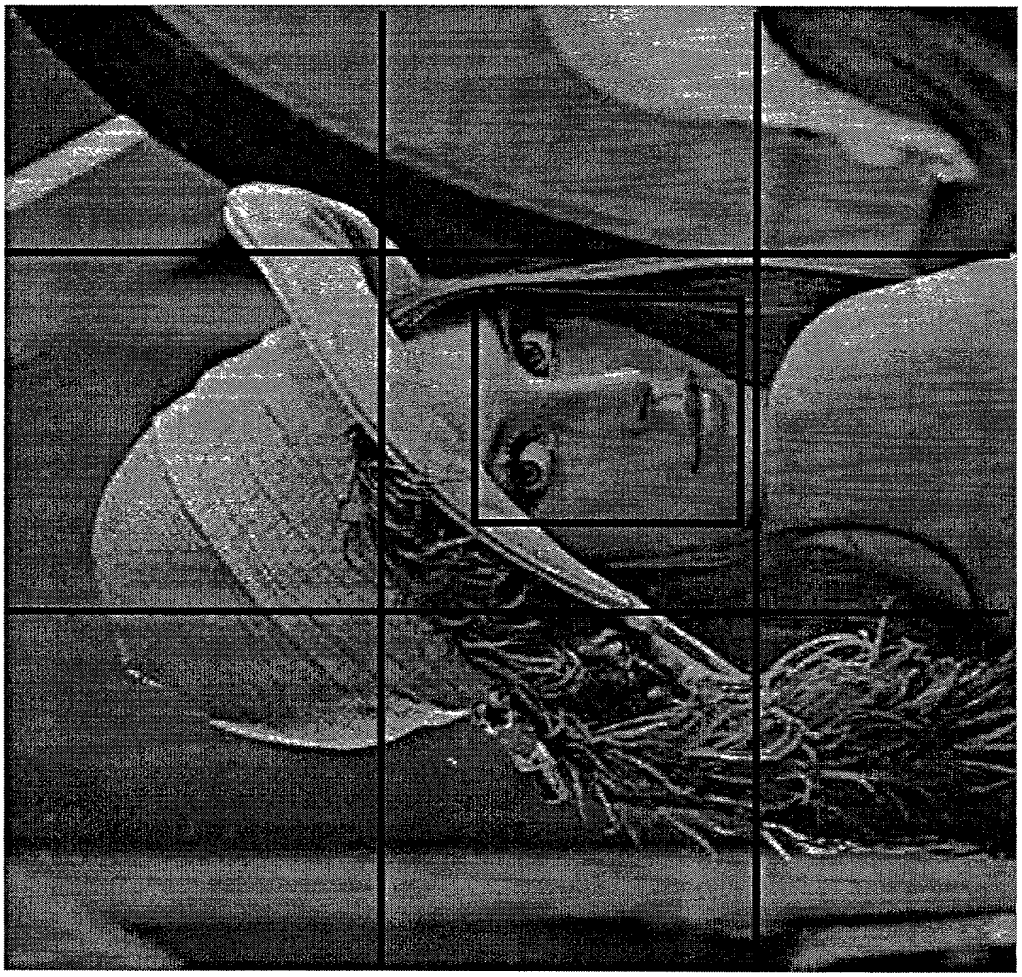

Figure 15